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EXAMINER
LI, GUANG W

ART UNIT	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE **3** MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on _06/18/2009_.

2a) ☒ This action is FINAL.   2b) ☐ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) _1-3,5,16 and 19-23_ is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) _1-3,5,16 and 19-23_ is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☒ The drawing(s) filed on _11 January 2002_ is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some * c) ☐ None of:

       1. ☐ Certified copies of the priority documents have been received.

       2. ☐ Certified copies of the priority documents have been received in Application No. _____.

       3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

DETAILED ACTION

1.   It is hereby acknowledged that the following papers have been received and placed of

record in the file: Amendment date 06/18/2009

2.   Claims 1-3, 5, 16 and 19-23 are presented for examination.

Response to Arguments

3.   Applicant's arguments with respect to claims 1-3, 5, 16 and 19-23 have been considered

but are moot in view of the new ground(s) of rejection.

Claim Objections

4.   Claim 1 is objected to because of the following informalities:

        Claim 1, line 6, it is suggested that "**such that**" be changed to "configured to provide" for

the purpose of clarity.

5.   Appropriate correction is required.

Claim Rejections - 35 USC § 112

6.   The following is a quotation of the second paragraph of 35 U.S.C. 112:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the
> subject matter which the applicant regards as his invention.

7.   Claims 2 and 19-23 are rejected under 35 U.S.C. 112, second paragraph, as being

indefinite for failing to particularly point out and distinctly claim the subject matter which

applicant regards as the invention.

8.   Claim 2 recites the limitation "the subscription information", "the content descriptors",

"the aggregated content stream" in lines 2-6 There is insufficient antecedent basis for this

limitation in the claim.

9.   Claim 19-23 recites the limitation "the content distributor computer system", "the

plurality of filtering hubs" in line 2. There is insufficient antecedent basis for this limitation in

the claim.

10.   Claim 19 recites the limitation "other content provider" in line 3. It is vague and

indefinite what are other content provider refers to.

Claim Rejections - 35 USC § 102

11.   The text of those sections of Title 35, U.S. Code not included in this action can be found

in a prior Office action.

12.   Claims 1-3, 5, 16 and 19-23 are rejected under 35 U.S.C. 102(b) as being clearly

anticipated by Lang (US 5,983,214).

13.   Regarding claim 1, Lang teaches a method comprising:

        receiving content ("Extraction means 17 can be coupled with, and receives data stream 15

from, network 3" see Lang: col.6 lines 51-54);

        receiving user feedback about categories of content of interest to a group of users (user

feedbacks (user #1-3) regarding the content "User feedback response 29 can be active feedback,

passive feedback or a combination. Active feedback can include the user's numerical rating for

an informon, hints, and indices. Hints can include like or dislike of an author, and informon

source and timeliness" see Lang: col.7 lines 39-64; Fig.1 item 5 and 29);

receiving information from individual users about content of interest to individual

users (receiving user subscription and filtering user content desired "The profile and filtering

process are very similar for both the community level and the member client level, except that at

the community level, the empirical data obtained is for all U who subscribed to M, and not

merely an individual U. Other information about the individual U can be used to help the filter"

see Lang: col.14 lines 18-31); and

using a two-stage filtering process to select content, such that in a first stage, remote

from a receiver, user feedback is used to collect content categories from said content for said

group of users (community level content for community user and user feedback about the content

"The profile and filtering process are very similar for both the community level and the member

client level, except that at the community level, the empirical data obtained is for all U who

subscribed to M, and not merely an individual U" see Lang: col.14 lines 24-28; Fig.1 item 27a-d)

and, during a second phase, at said receiver, filtering nodes are used to select from within said

categories, content of interest to a subset of said group of users (individual filtering instead of

community filtering "Other information about the individual U can be used to help the filter,

such as what U thinks of what a particular author writes in other Zs that the user reads, and

articles that can't be used for the group-level M processing" see Lang: col.14 lines 28-31; Fig.1

item 28a-d).

14.   Regarding claim 2, Lang taught the method of claim 1 as described above. Lang further

comprising: generating a plurality of user profiles comprising the subscription information;

associating the content descriptors with the plurality of user profiles; saving the user profiles

generating a plurality of personalized content streams based on the plurality of user profiles by

dividing the aggregated content stream into the plurality of personalized content streams; and

providing the plurality of personalized content streams to the plurality of receiving network

nodes (creating community profiles (27a-b) and user profiles (28a-d) and storing the profiles

"First adaptation means 30 further can include second adaptation means 32 for adapting at least

one of the adaptive collaboration profiles, the adaptive content profiles, the community profile,

and the user profile, responsive to at least one of the other profiles" see Lang: col.8 lines 11-28).

15.   Regarding claim 3, Lang taught the method of claim 2 as described above. Lang further

teaches the generating the plurality of personalized content streams comprises filtering the

aggregated content stream by comparing the aggregated content stream with the plurality of user

profiles (compare the client profiles with informon content profiles "Each of the examples can be

weighted by ##EQU2## Note that the "X" in the above equation may not be a mere

multiplication or cross-product, but rather be a method for comparing the similarity between the

profiles. Next, the similarity of the member client profiles and informon content profiles can be

compared" see Lang: col.19 lines 7-18).

16.   Regarding claim 5, Lang taught the method of claim 1 as described above. Lang further

comprising providing the plurality of personalized content streams to the plurality of

corresponding users (user data streams received from network 3 "Method 200 continues by

predicting a community profile (step 215) for each community using first prediction criteria, and

predicting a member client profile (step 220) for a member client in a particular community

using second prediction criteria. Method 200 also includes a steps of extracting raw informons

(step 225) from the data stream and selecting proposed informons (step 230) from raw

informons" see Lang: col.11 lines 4-19).

17.   Regarding claim 16, Lang teaches a content delivery system comprising:

        a head end to distribute content and to receive user feedback about categories of content

of interest to a group of users (user feedbacks (user #1-3) regarding the content "User feedback

response 29 can be active feedback, passive feedback or a combination. Active feedback can

include the user's numerical rating for an informon, hints, and indices. Hints can include like or

dislike of an author, and informon source and timeliness" see Lang: col.7 lines 39-64; Fig.1 item

5 and 29);

        a module to select categories for transmission to a group of users based on said

feedback (community level content for community user and user feedback about the content

"The profile and filtering process are very similar for both the community level and the member

client level, except that at the community level, the empirical data obtained is for all U who

subscribed to M, and not merely an individual U" see Lang: col.14 lines 24-28; Fig.1 item 27a-

d); and

        a receiver including a filter to select content from within said categories of interest to a

user of said receiver (individual filtering instead of community filtering "Other information

about the individual U can be used to help the filter, such as what U thinks of what a particular

author writes in other Zs that the user reads, and articles that can't be used for the group-level M

processing" see Lang: col.14 lines 28-31; Fig.1 item 28a-d).

18.   Regarding claim 19, Lang taught the content delivery system of claim 16 as described

above. Lang further teaches the content distributor computer system comprises one or more of

broadcasting networks, local broadcasters, cable providers and operators, satellite service

provider, and other content providers (recommendation service "one embodiment of an on-line

recommendation service uses recommendation filtering and adaptive recommendation profiles to

give member clients recommendations on matters as diverse as local auto mechanics and world-

class medieval armor refurbishers" see Lang: Col.5 lines 45-51).

19.   Regarding claim 20, Lang taught the content delivery system of claim 16 as described

above. Lang further teaches the plurality of filtering hubs comprises one or more of head-ends,

local broadcasters, local satellite stations, and filtering stations (Information filter apparatus see

Lang: col.6 lines 42-50; Fig.1) .

20.   Regarding claim 21, Lang taught the content delivery system of claim 16 as described

above. Lang further comprising a plurality of receivers, the plurality of receivers comprising

multimedia devices, wherein the multimedia devices comprise one or more of a content

providing sub-system and a content receiving sub-system (individual filtering module and

community filtering module in the information filter apparatus 1 "Other information about the

individual U can be used to help the filter, such as what U thinks of what a particular author

writes in other Zs that the user reads, and articles that can't be used for the group-level M

processing" see Lang: col.14 lines 28-31; Fig.1 items 28a-d).

21.   Regarding claim 22, Lang taught the content delivery system of claim 16 as described

above. Lang further teaching the content providing sub-system comprises content display

computer system (output subsystem "An output subsystem combines the content-based and

collaboration-based value functions to generate an output rating predictor of the informon for

consideration by the user" see Lang: col.2 lines 50-53).

22.   Regarding claim 23, Lang taught the content delivery system of claim 16 as described

above. Lang further teaching the plurality of filtering hubs and the plurality of receivers are

integrated one or more of logically and physically (Apparatus 1 part of computer system 16

"Apparatus 1 is preferred to be part of computer system 16, although User #1 (5) is not required

to be the sole user of computer system 1" see Lang: col.6 lines 42-50).

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this

Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the date of this

final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Guang Li whose telephone number is (571) 270-1897. The

examiner can normally be reached on Monday-Friday 8:30AM-5:00PM(EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Jeff Pwu can be reached on (571) 272-6798. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

October 26, 2009
GL
Patent Examiner

/Jeffrey Pwu/

Supervisory Patent Examiner, Art Unit

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